

CLAIM AMENDMENTS

1 - 15. (canceled)

1 16. (new) A method of manufacturing a polyethylene
2 terephthalate packaging web, the method comprising the steps of:

3 feeding waste polyethylene terephthalate raw material
4 containing dirt to a twin-screw extruder at a feed rate while
5 rotating screws of the extruder at a rotation rate to plastify the
6 material and extrude a polyethylene terephthalate melt from the
7 extruder;

8 degassing an interior of the extruder during the
9 extrusion of the polyethylene terephthalate melt therefrom;

10 passing the melt through a sieve filter and thereby
11 separating the dirt from the melt;

12 measuring melt pressure upstream and downstream of the
13 sieve filter;

14 controlling one of the rates of the extruder in
15 accordance with the measured melt pressures;

16 backflushing the sieve filter with the melt and thereby
17 forcing the dirt from the sieve filter in accordance with the melt
18 pressures measured upstream and downstream of the sieve filter;

19 outputting a strip of the polyethylene terephthalate melt
20 from a spinning head located downstream of the extruder; and

21 cooling and stretching the strip of the polyethylene
22 terephthalate to form the polyethylene terephthalate packaging web.

1 17. (new) The method defined in claim 16 wherein the
2 raw material is at least in part PET flakes formed by comminuting
3 PET bottles.

1 18. (new) The method defined in claim 16 wherein the
2 raw material is supplied to the extruder with at least one metering
3 screw.

1 19. (new) The method defined in claim 18 wherein the
2 metering screw supplies the raw material to the extruder such that
3 flights of the extruder screws are filled only to 25% to 60% with
4 the polyethylene terephthalate raw material.

1 20. (new) The method defined in claim 19 wherein the
2 flights of the extruder screws are filled to 30% to 50% with the
3 polyethylene terephthalate raw material.

1 21. (new) The method defined in claim 16 wherein the
2 screws of the extruder are driven in the same sense.

1 22. (new) The method defined in claim 16 wherein the
2 interior of the extruder is degassed by connecting at least one
3 suction pump thereto.

1 23. (new) The method defined in claim 16, further
2 comprising the step of feeding at least one chain-lengthening
3 substance to the interior of the extruder.

1 24. (new) The method defined in claim 23 wherein the
2 chain-lengthening substance is a lactam or an oxazole derivative.

1 25. (new) The method defined in claim 16 wherein the
2 melt is fed to the head with at least one melt pump.

1 26. (new) The method defined in claim 16 wherein the
2 strip is cooled in a liquid.

1 27. (new) The method defined in claim 26 wherein the
2 liquid is a water bath.

1 28. (new) The method defined in claim 16 wherein the one
2 rate is the rotation rate.

1 29. (new) The method defined in claim 16 wherein the one
2 rate is the feed rate.